



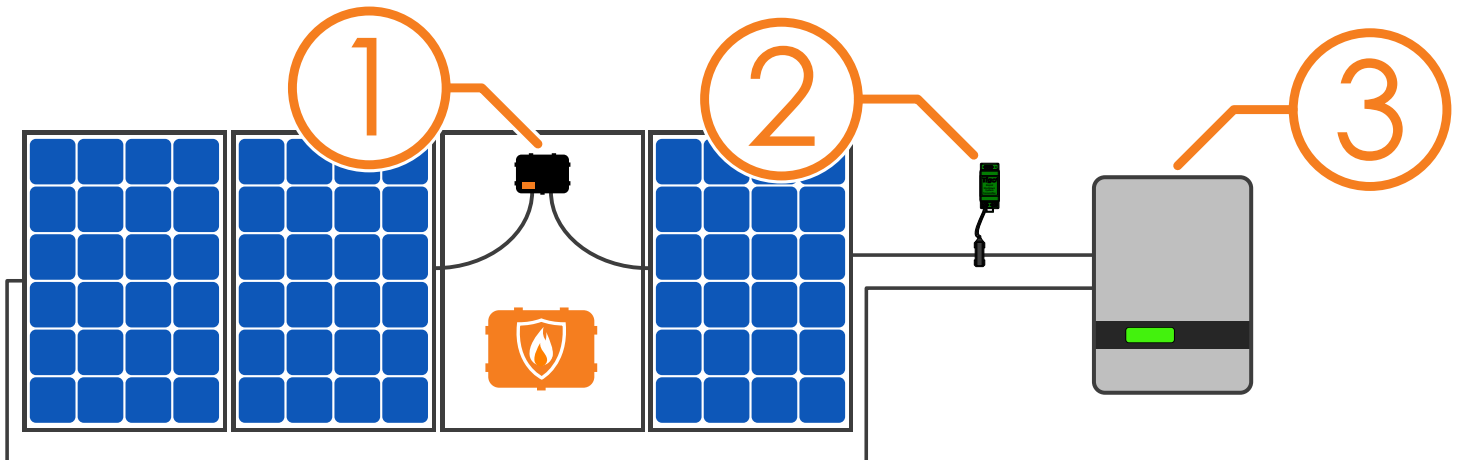
RSS TRANSMITTER

Rapid Shutdown Activator for TS4-F

The Tigo Rapid Shutdown System (RSS) Transmitter is part of a rapid shutdown solution when paired with Tigo TS4-F (Fire Safety), a PV module rapid shutdown unit. While powered on, the RSS Transmitter sends a signal to the TS4-F units to keep their PV modules connected and supplying energy.

TS4-F units automatically enter rapid shutdown mode when the RSS Transmitter is switched off and resume energy production when power is restored to the RSS Transmitter. This solution complies with NEC 690.12 specifications for 2014, 2017, and 2020 and uses PLC signaling for rapid shutdown.

The RSS Transmitter includes one or two RSS Cores, and a 120/240V_{AC} power supply is available separately.



1. Modules equipped with Tigo TS4-F (Fire Safety)
2. Tigo RSS Transmitter and RSS Core
3. Inverter

RSS TRANSMITTER

Meets NEC 690.12 requirements

Module-level deactivation with TS4-F

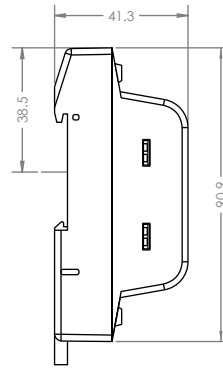
Automatic or manual shutdown

Includes one or two RSS Cores

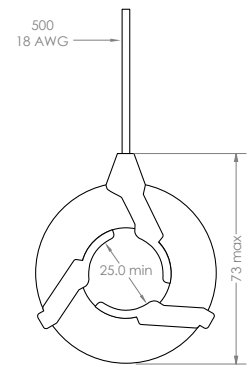
Optional 120/240V_{AC} power supply



RSS Transmitter - Front View



RSS Transmitter - Side View



RSS Core - Side View

All dimensions in mm.

Input

Transmitter Input Voltage: 12V_{DC} (+/- 2%)

Transmitter Input Current: 1A

RSS Core

Max Current: 150A per RSS Core (Single Core: 150A, Dual Core: 300A)

Max String Voltage: 1500V_{DC}

Max Number of Strings per Core: 10

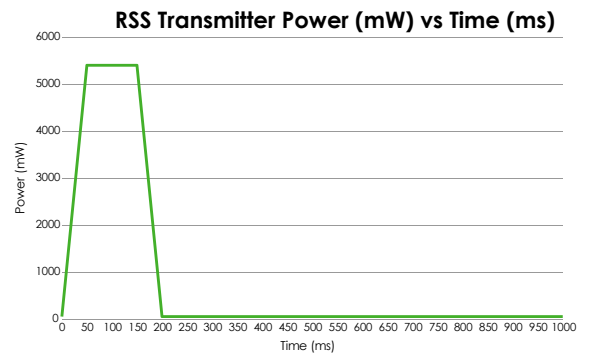
Max Supported PV Modules per String: 30

Environmental

Operating Temperature Range: -40°C to 85°C

For Tigo RSS Transmitter integration inside an inverter, be able to provide the following power profile:

- Voltage: 12V_{DC} (+/- 2%)
- Power Average: 0.85W
- Power Standby: 0.06W
- Duty Cycle: 15%
- Max Power: 5.5W



ORDERING OPTIONS

490-00000-10 Single Core (150A) RSS DIN Rail Transmitter (no power supply)

490-00000-20 Dual Core (300A) RSS DIN Rail Transmitter (no power supply)

For sales info:

sales@tigoenergy.com or 1.408.402.0802

For technical information:

http://support.tigoenergy.com

For product info:

Visit www.tigoenergy.com/products

For technical info:

http://support.tigoenergy.com



For additional info and product selection assistance, use Tigo's online design tool at www.tigoenergy.com/design